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APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/696,103 10/29/2003 Karl Paul Kroetsch DP-310502 22851 EXAMINER 7590 06/01/2005 DELPHI TECHNOLOGIES, INC. WALBERG, TERESA J M/C 480-410-202 ART UNIT PAPER NUMBER PO BOX 5052 TROY, MI 48007 3753

DATE MAILED: 06/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		e
Office Action Summary	Application No.	Applicant(s)
	10/696,103	KROETSCH ET AL.
	Examiner	Art Unit
	Teresa J. Walberg	3753
The MAILING DATE of this communicati Period for Reply	ion appears on the cover sheet w	vith the correspondence address
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNICATORY Extensions of time may be available under the provisions of 37 after SIX (6) MONTHS from the mailing date of this communicator if the period for reply specified above is less than thirty (30) dayor if NO period for reply is specified above, the maximum statutor Failure to reply within the set or extended period for reply will, the Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	TION. CFR 1.136(a). In no event, however, may a ation. ys, a reply within the statutory minimum of thi y period will apply and will expire SIX (6) MOD by statute, cause the application to become A	reply be timely filed irty (30) days will be considered timely. NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).
Status	t	
1) Responsive to communication(s) filed or	n	
2a) This action is FINAL . 2b)	This action is non-final.	
3) Since this application is in condition for	allowance except for formal mat	tters, prosecution as to the merits is
closed in accordance with the practice u	ınder <i>Ex par</i> te Quayle, 1935 C.I	D. 11, 453 O.G. 213.
Disposition of Claims	,	
4) Claim(s) 1-20 is/are pending in the appli	ication.	
4a) Of the above claim(s) is/are w	vithdrawn from consideration.	
5) Claim(s) is/are allowed.		
6)⊠ Claim(s) <u>1-20</u> is/are rejected.		
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction	and/or election requirement.	
Application Papers		
9)☐ The specification is objected to by the Ex		
10)⊠ The drawing(s) filed on <u>29 October 2003</u>		
Applicant may not request that any objection		
Replacement drawing sheet(s) including the	·	
11)☐ The oath or declaration is objected to by	the Examiner. Note the attache	ed Office Action or form P1O-152.
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for t a) All b) Some * c) None of:	foreign priority under 35 U.S.C.	§ 119(a)-(d) or (f).
 Certified copies of the priority doc 	uments have been received.	
2. Certified copies of the priority doc		· ·
3. Copies of the certified copies of the	•	n received in this National Stage
application from the International	•	
* See the attached detailed Office action fo	r a list of the certified copies no	t received.
	•	

Attachment(s)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>10/29/03</u>.

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date
5) Notice of Informal Patent Application (PTO-152)
6) Other:

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DETAILED ACTION

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1, 3-6, 10-14, 17, and 18 are rejected under 35 U.S.C. 102(e) as being anticipated by Lamich et al (2004/0069468).

Lamich et al disclose a heat exchanger assembly and method of making including a core with fins and tubes (see Fig. 3) extending from opposite ends between opposite side thereof, first and second tanks at opposite ends of the core, a plurality of tank caps (48) closing the open ends of the tanks, a reinforcement member (50) integrally connected to each of the tank caps (48) by an integral connection portion (52), with the reinforcement members extending along the sides of the core and spaced from one another along the sides of the core, the core being devoid of reinforcement between the reinforcement members, reinforcing flanges (56) extending upwardly from the edges of the reinforcement members (50) and terminating short of the connection portion (52), the connection portion (52) being narrower (see Figs. 15a) than the tank cap (48), and including reverse bends (Fig. 15e) and notches (15a), and the

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reinforcement members (50) being in direct engagement with the fins of the core (26, see Fig. 3)..

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 7, 8, 19, and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lamich et al (2004/0069468) in view of Pinto (6,478,080).

Lamich et al disclose a heat exchanger assembly and method of making as claimed with the exception of the flanges having openings which attach to anchors. Pinto teaches providing openings (34) in the flanges of heat exchangers for connection to support fasteners. It would have been obvious in view of Pinto to provide support holes in the flanges of Lamich et al, the motivation being to enable securely supporting the assembly.

5. Claims 2, 9, 15, and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lamich et al (2004/0069468) in view of Ozaki et al (6,357,519).

Lamich et al disclose a heat exchanger assembly and method of making as claimed with the exception of the assembly being brazed together and the tank cap engaging the interior of the tank. Ozaki et al teach securing a heat

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exchanger together by brazing and using a tank cap which engages the interior of the tank. It would have been obvious in view of Ozaki at al to securing the heat exchanger of Lamich et al together by brazing to more securely hold it together and to use a tank cap which engages the interior of the tank, the motivation being to more securely seal the tank.

- 6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Shinmura, Ando, Matsuura, Park et al, Kado, Sugimoto, Ghiani, and Makino et al are cited to show heat exchanger structure.
- 7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Teresa J. Walberg whose telephone number is 571-272-4790. The examiner can normally be reached on M-F 9:00 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gene Mancene can be reached on 571-272-4930. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Teresa J. Walberg Primary Examiner Art Unit 3753

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